

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A flame arrester comprising a flow passage in which is disposed ~~a two dimensional~~ an array of adjacent circular section rods arranged in rows, each row being generally co-aligned and arranged transverse to the flow direction, such that fluids flowing in the passage must pass between the rods and the rods forming the rows are offset relative to rods in adjacent rows thereby to require a circuitous flow path for the fluids.
2. Cancelled.
3. (Previously Presented) A flame arrester according to claim 1 wherein the rods are of solid material.
4. (Previously Presented) A flame arrester according to claim 1 wherein the rods are tubes.
5. (Original) A flame arrester according to claim 4 in which the tubes are adapted to carry cooling fluid.
6. (Currently Amended) A flame arrester according to claim ~~[[1]]~~ 5 wherein the tubes carrying a the cooling fluid are arranged upstream ~~of the plurality.~~
7. (Original) A flame arrester according to claim 6 in which the upstream tubes are finned.
8. Cancelled.
9. (Currently Amended) A flame arrester according to claim 1 ~~[[8]]~~ in which the offset is at an angle of between 30 and 60 degrees.
10. (Previously Presented) A flame arrester according to claim 1 further comprising a scraping device disposed between the rods to remove deposits thereon.

11. (Original) A flame arrester according to claim 10 in which the scraping device is linked to a manually operated actuator.

12. (Original) A flame arrester according to claim 10 in which the scraping device is linked to a powered actuator thereby to allow automatic operation thereof.

13. (Original) A flame arrester according to claim 12 in which a timer device is provided, arranged to trigger the powered actuator after an interval.

14. (Previously Presented) A flame arrester according to claim 1 wherein the flow passage is cylindrical, the axis of the cylinder being aligned with the flow direction.

15. Cancelled.

16. (Previously Presented) An assembly of a flame arrester according to any preceding claim with a reducer fitted on at least one side thereof to reduce the size of the flow passage.

17. (Previously Presented) An assembly according to claim 16 in which a reducer is fitted on both sides of the arrester.

18. (Previously Presented) An assembly according to claim 16 wherein the reducer is attached to the arrester by way of flanges on each part which are bolted together.